PEBBLE LANE ASSOCIATES (DAR ID# 134)

Address:	57-00 47th Street, Maspeth, New York 11378 (58-20 47th Street)
Tax Lot Parcel(s):	Queens Block 2601, Lots 1 and 6
Latitude:	40.718630
Longitude:	-73.922410
Regulatory Programs/ Numbers/Codes:	ICIS-NPDES: NYU2000023, USEPA ID No. 110039195331, NYSDEC Solid Waste Management Facility No. 41W64, PBS No. 2-318744 and 2-350001, NYSDEC Spill No. 0709978, 0808170, and 9411004, NYSDEC Fill Material Transfer Station Permit No. 22
Analytical Data Status:	☐ Electronic Data Available ☒ Hardcopies only ☐ No Data Available

1 SUMMARY OF CONSTITUENTS OF POTENTIAL CONCERN (COPCs) TRANSPORT PATHWAYS TO THE CREEK

The current understanding of the transport mechanisms of COPCs from the upland portions of the Pebble Lane Associates site (site) to Newtown Creek is summarized in this section and Table 1, and supported in the following sections.

Overland Transport

The site is adjacent to Newtown Creek. A solid waste inspection in 2006 documented uncontrolled stormwater runoff, unpermitted wastewater discharge, and solid waste activity near surface water (NYSDEC 2006; Brezner 2007). Another inspection in 2007 documented that stormwater was not connected to New York City Department of Protection (NYCDEP) sewers and that stormwater was currently allowed to infiltrate into the ground, sheet flow into Newtown Creek, or discharge to the creek through an on-site outfall (Galli 2001; Zacharias 2007). This is a complete historical pathway and a potentially complete current pathway.

Bank Erosion:

No specific evidence of bank erosion was identified in the available site records. Arial photographs indicate that there is a combination of vegetation and riprap slope down to Newtown Creek (see Figure 1). On January 31, 2007, a notice of violation was issued for the placement of fill on the bank, clearing/removal of high marsh vegetation, clearing/removal of tidal wetland adjacent to vegetation, and construction of a concrete retaining wall along the bank without a New York State Department of Environmental Conservation (NYSDEC) permit (NYSDEC 2007). There is insufficient evidence to make a current or historical pathway determination.

Groundwater

The site is located adjacent to Newtown Creek. Information regarding on-site groundwater investigations was not identified in documents available for review. There is insufficient evidence to make a current or historical pathway determination.

Overwater Activities

Plans for the installation of a bulkhead at the site to dock barges exist; however, available site records and aerial photos do not indicate that the bulkhead was ever constructed (Galli 2002). No further information regarding overwater activities was identified in documents available for review. There is insufficient evidence to make a current or historical pathway determination.

Stormwater/Wastewater Systems

This site is within the Newtown Creek Water Pollution Control Plant (WPCP) sewershed. Although sanitary discharges from the site flow into a separate local municipal system, it is likely that the separate local system flows into a larger combined system prior to reaching the treatment plant. When the combined flows exceed the system's capacity, untreated combined sewer overflows (CSOs) are discharged to Newtown Creek (NYCDEP 2007). There is insufficient evidence to make a current or historical pathway determination for discharge to sewer/ CSO.

Based on the site topography and records, stormwater at the site is expected to infiltrate into the ground, flow overland towards Newtown Creek, or discharge to Newtown Creek

through an unpermitted on-site stormwater outfall (Galli 2001; Stuart 2001). On April 30, 2009, the U.S. Environmental Protection Agency (USEPA) issued an enforcement penalty for unpermitted NPDES discharges (USEPA 2011). Direct discharge of stormwater and wastewater is a complete historical pathway and a potentially complete current pathway.

Air Releases

Information regarding air emissions from the site was not identified in documents available for review. There is insufficient evidence to make a current or historical pathway determination.

2 PROJECT STATUS

Information regarding on-site environmental investigations was not identified in documents available for review. A New York State Department of Environmental Conservation (NYSDEC) Site Code was not found for this site.

3 SITE OWNERSHIP HISTORY

Respondent Member: ☐ Yes ☒ No

Owner	Years	Occupant	Type of Operation
Unknown	circa 1912 – circa 1930	Valvoline Oil Company	Oil depot
Peter and Elizabeth Galasso (Lot 1)	Unknown – 1985	Unoccupied	Unoccupied
Alfredo Lamanna Trucking (northern part of Lot 1)	1985 – 1998	Alfredo Lamanna Trucking	Recovery and recycling of clean fill material including sand, rock, gravel, and dirt
Island Transportation Corporation (southern part of Lot 1 becomes Lot 6)	1985 – 1998	Island Transportation Corporation	Maintenance and parking of trucks used for hauling petroleum products
57-00 Maspeth Avenue LLC (Lot 6)	1998 – present		
	1998 – present	Pebble Lane Associates LLC (lease Lots 1 & 6)	Waste transfer station-construction and demolition debris
	2004 – unknown	Brookville Enterprises	Glass recycling

Note:
Additional discussion and sources provided in Section 6.

4 PROPERTY DESCRIPTION

The property occupies approximately 2.93 acres adjacent to Newtown Creek. The site contains one 20,000 square foot building for indoor equipment and maintenance. Approximately half the site is bare soil where solid waste piling and transfer occurs and the other half is a paved area for truck parking. The site is enclosed by either a galvanized metal fence or concrete block wall. The site is at approximately 5 feet above mean sea level and slopes gently down from northeast to southwest towards Newtown Creek as shown on Figure 1.

The property is adjoined by Newtown Creek on the northwest and southwest, 58th Road to the north, and 47th Street to the northeast, and a vacant lot to the southeast. The confluence of English Kills and Newtown Creek is located across Newtown Creek to the southwest of the property. The shoreline is made up of asphalt, concrete, rocks, and vegetation (Bontje 2002). The site property is zoned M3-1 (manufacturing). M3 districts are designated for areas with heavy industries that generate noise, traffic, or pollutants (NYCDCP 2011). A 2001 schematic of the site is included as Attachment 1.

5 CURRENT SITE USE

The site is permitted by NYSDEC as a Solid Waste Transfer facility under the Part 360 regulations for Construction and Demolition (C&D) materials and other incidental non-putrescible solid waste. C&D debris are dumped onto an outdoor concrete pad, where materials are sorted out and reclaimed (Galli 2001). Residual waste is later trucked off site. Daily activities include checking in and initial inspection; weighing in; dumping of solid waste onto the tipping area; inspection; removal of corrugated cardboard, ferrous, and non-ferrous metals; short-term storage for accumulation of recyclable materials; and removal and transportation of these materials to appropriate material handlers and disposal facilities. During these activities, some material will be crushed, run over, screened, and stockpiled. Dust generated by these activities is controlled by spraying water onto the piles (Galli 2001). A portion of the property is leased out to a trucking company for truck parking.

6 SITE USE HISTORY

The first documented operation at the site was the Valvoline Oil Company, which was labeled as block 2234 in 1914. Historical maps show the oil depot having oil tanks, oil barrels, storage and wagon sheds, and a building labeled "auto" from 1914 through approximately 1930 (Sanborn 1914; MANY 1921; War Department 1930). In 1936, the site appeared unoccupied and the previous buildings and tanks are not shown. The parcel of land was bounded by Newton Creek on the western edge and Rogers Street on the eastern edge and divided by Mollers Lane (Sanborn 1936). This lane was later renamed 47th Street (Sanborn 1986; Sanborn 1990). The first known operation at the site was a truck body repair shop (Sanborn 1986).

Island Transportation purchased the southern portion of Lot 1 (later known as Lot 6) in 1985 and continued operations on the site through at least 2002 (Galasso 1985a; Island Transportation Corporation 1998; DSNY 2002). Island Transportation used the site for parking and maintenance of trucks that hauled petroleum products (DSNY 2002).

In 1985, Alfredo Lamanna Trucking purchased part of Block 2601, Lot 1 (Galasso 1985b) and operated a recovery facility for clean fill material including sand, rock, gravel, and dirt (Alfredo Lamanna Trucking 1996).

By 1998, Pebble Lane Associates, Inc., operated on the site (Sullivan 1998). The site accepted asphalt, brick, soil, and rock (Pebble Lane Associates 1998).

As of 2002, the site had a one-story, 19,890-square-foot building for office and garage space used by Pebble Lane and Island Transportation. Pebble Lane processed incoming materials in a screening plant that separated soil from large pieces of rock and concrete. Materials were stored in separated piles on the site and then removed by a front end loader into trucks (DSNY 2002). In 2004, the facility began accepting glass under the operation of Brookville Enterprises (Brookville Enterprises 2004). Pebble Lane also leased the adjacent Block 2601, Lot 6 beginning in 2009 (Brooklyn Federal Savings Bank 2009).

7 CURRENT AND HISTORICAL AREAS OF CONCERN AND COPCs

The current understanding of the historical and current potential upland and overwater areas of concern at the site is summarized in Table 1. The following sections provide brief discussion of the potential sources and constituents of potential concern (COPCs) at the site requiring additional discussion.

Areas of concern at the site include areas in which transportation equipment, C&D debris piles, and tanks that store petroleum products (including diesel, used oil, and fuel oil) exist. The COPCs associated with these areas include: petroleum hydrocarbons (TPH), semi volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and metals.

7.1 Uplands

Three petroleum tanks and ancillary equipment (i.e., valves and pumps) are currently located on site for fueling and maintenance purposes. Four USTs were historically located on site but have been removed. Petroleum product storage and capacity is summarized as follows (EDR 2010; NYSDEC 2011):

Tank ID	Date Installed	Tank Location	Status	Capacity (gallons)	Product
PBS 2-350001					
001	06/01/82	Underground	Closed – Removed 12/01/98	4,500	Diesel
PBS 2-318744					
001	10/01/85	Underground	In Service	4,000	Diesel
002	10/01/85	Underground	Closed-Removed 12/01/98	4,000	Unknown
003	10/01/85	Underground	Closed-Removed 12/01/98	4,000	Unknown
004	10/01/85	Underground	Closed-Removed 12/01/98	1,080	Unknown
005	10/01/85	Aboveground	Closed-Removed 03/08/06	6,000	No. 2 fuel oil
2	01/03/00	Aboveground – in contact with impervious barrier	In Service	180	Motor oil

Tank ID	Date Installed	Tank Location	Status	Capacity (gallons)	Product
3	01/03/00	Aboveground – in contact with impervious barrier	In Service	180	Waste/used oil

7.2 Overwater Activities

Plans for the installation of a bulkhead at the site to dock barges exist; however, available site records and aerial photos do not indicate that the bulkhead was ever constructed (Galli 2002). No further information regarding overwater activities was identified in documents available for review.

7.3 Spills

Documented spills at the site are summarized as follows:

- On November 17, 1994, a gasoline release occurred from a commercial/industrial source (NYSDEC Spill No. 9411004). The Environmental Data Resources, Inc. (EDR), listing indicates that the volume of the release was minimal, corrective action was taken, and the file was closed by NYSDEC the same day (EDR 2010).
- On December 18, 2007, a test tank failure resulted in a diesel release (NYSDEC Spill No. 0709978). The EDR listing indicates that the volume of the release was not reported, corrective action was taken, and the file was closed by NYSDEC on December 28, 2007 (EDR 2010).
- On October 21, 2008, a diesel release occurred from an unknown cause (NYSDEC Spill No. 0808170). The EDR listing indicates that the volume of the release was minimal, corrective action was planned, but the file has not been closed (EDR 2010).

8 PHYSICAL SITE SETTING

Site-specific hydrogeologic information was not identified in documents available for review. The geologic setting for Newtown Creek consists of impermeable Precambrian and Paleozoic crystalline bedrock, overlain by the Upper Cretaceous Raritan formation, Magothy formation and Matawan Group (undifferentiated), unconsolidated Pleistocene deposits and upper Pleistocene glacial deposits and Holocene shore, beach salt-marsh deposits, and

alluvium, along with local occurrences of artificial fill (Buxton et al. 1981; Soren and Simmons 1987). The primary areas of groundwater discharge are Newtown Creek and its tributaries and the East River (Misut and Monti 1999). In the vicinity of Newtown Creek, groundwater flow in the Upper Glacial aquifer is generally north and south towards the creek. With increased distance from the creek, groundwater will flow towards the nearest surface water body to discharge (Misut and Monti 1999). Incidences of perched groundwater may occur above the Upper Glacial Aquifer in some areas, particularly in formerly low-lying areas that have been filled. Groundwater flow at a specific property may differ from the regional pattern due to pumping for groundwater treatment or dewatering activities (Misut and Monti 1999), the presence of buried utilities, or other preferential pathways.

9 NATURE AND EXTENT (CURRENT UNDERSTANDING OF ENVIRONMENTAL CONDITIONS)

9.1 Soil

Soil Investigations	☐ Yes ☒ No
Bank Samples	☐ Yes ☒ No ☐ Not Applicable
Soil-Vapor Investigations	☐ Yes ☒ No

Information regarding on-site soil investigations was not identified in documents available for review.

9.2 Groundwater

Groundwater Investigation	☐ Yes ☒ No
NAPL Presence (Historical and Current)	☐ Yes ☒ No
Dissolved COPC Plumes	☐ Yes ☒ No
Visual Seep Sample Data	☐ Yes ☒ No ☐ Not Applicable

Information regarding on-site groundwater investigations was not identified in documents available for review.

9.3 Surface Water

Surface Water Investigation	☐ Yes	☒ No
SPDES Permit (Current or Past)	☐ Yes	☒ No
Industrial Wastewater Discharge (IWD) Permit (Current or Past)	☐ Yes	☒ No
Stormwater Data	☒ Yes	☐ No
Catch Basin Solids Data	☐ Yes	☒ No
Wastewater Data	☐ Yes	☒ No

9.3.1 Surface Water Investigation

A solid waste inspection in 2006 documented uncontrolled stormwater runoff, unpermitted wastewater discharge, and solid waste activity near surface water (NYSDEC 2006; Brezner 2007). Another inspection in 2007 documented that stormwater was not connected to NYCDEP sewers, and stormwater was allowed to infiltrate into the ground or sheet flow into Newtown Creek. Stormwater mixed with waste materials was found to have the potential to discharge to Newtown Creek through gaps in the makeshift steel barriers and concrete blocks along the bank (Zacharias 2007).

9.3.2 Stormwater and Wastewater Systems

This site is within the Newtown Creek Water Pollution Control Plant (WPCP) sewershed. Sanitary wastewater is conveyed from the site via a 4 inch house connection to the NYCDEP 24 inch sewer line in 47th Street (Galli 2001). Although sanitary discharges from the site flow into a separate local municipal system, it is likely that the separate local system flows into a larger combined system prior to reaching the treatment plant. When the combined flows exceed the system's capacity, untreated combined sewer overflows (CSOs) are discharged to Newtown Creek (NYCDEP 2007).

Based on the site topography and records, stormwater at the site is expected to infiltrate into the ground, flow overland towards Newtown Creek, or discharge to Newtown Creek through an unpermitted on-site stormwater outfall (Galli 2001; Stuart 2001).

9.3.3 SPDES Permit

Information reviewed in available records indicates that the site has not been issued a State Pollutant Discharge Elimination System (SPDES) permit; however, a SPDES permit application was submitted on November 7, 2001, for the discharge of treated industrial stormwater runoff from the proposed C&D Debris Processing Facility (Galli 2001; NYSDEC 2011). The operation contributing to the discharge flow was described as stormwater runoff from debris waste piles. The discharge flow given in the application was 57,200 gallons per day (gpd) (Galli 2001). Proposed stormwater infrastructure was identified on available site drawings associated with the SPDES permit application (see Attachments 1 and 2) that consisted of catch basins, double basin interceptor, and an oil/water separator (Galli 2001), but this system may never have been installed since the Solid Waste Management permit for C&D processing associated was withdrawn by the applicant (NYSDEC 2011). The Engineering Report that was submitted with the SPDES permit application discussed utilizing an existing outfall to Newtown Creek from the site (Galli 2001; Stuart 2001). The NYSDEC records show that a new SPDES application was needed as of October 7, 2008 (NYSDEC 2011), and on April 30, 2009, the U.S. Environmental Protection Agency (USEPA) issued an enforcement penalty for unpermitted NPDES discharges (USEPA 2011).

9.3.4 Sampling Data

The only sampling data available for the site was from the 2001 SPDES permit application. Results from the sample event are summarized below:

Report Date	Constituent	Result	Unit	Limit	Source
Initial SPDES application (11-07-01)	BOD	30	mg/L	NA	Galli 2001
	TSS	30	mg/L		
	Oil and Grease	15	mg/L		
	pH	6 (minimum), 9 (maximum)	SU		

Notes:
BOD – biochemical oxygen demand
mg/L – milligrams per liter
NA – not applicable
SPDES – State Pollutant Discharge Elimination System
SU – standard unit
TSS – total suspended solid

9.3.5 Surface Water Summary

Records indicate the site has not been issued a SPDES or IWD permit, although a stormwater system design and SPDES permit application was submitted in 2001 (Galli 2001; NYSDEC 2011). The site was issued an enforcement action by USEPA on April 30, 2009 for unpermitted discharges.

9.4 Sediment

Creek Sediment Data ☐ Yes ☒ No ☐ Not Applicable

Information regarding sediment investigations was not identified in documents available for review.

9.5 Air

Air Permit ☐ Yes ☒ No

Air Data ☐ Yes ☒ No

Information regarding air emissions from the site was not identified in documents available for review.

10 REMEDIATION HISTORY (INTERIM REMEDIAL MEASURES AND OTHER CLEANUPS)

Information regarding on-site remedial activities was not identified in documents available for review.

11 BIBLIOGRAPHY / INFORMATION SOURCES

Alfredo Lamanna Trucking, 1996. Registration Form for Solid Waste Storage Facility. February 26, 1996.

Bontje (B. Laing Associates), 2002. Letter to: New York State Department of Environmental Conservation, Tidal Wetlands Bureau, Region II. Regarding: Confirmation of

Wetland Delineation, Pebble Lane Associates Property at Maspeth, County of Queens, Block 2601, Lots: 1 and 6. February 4, 2002.

Buxton et al. (Buxton, H.T., Soren, J., Posner, A., and Shernoff, P.K.), 1981. *Reconnaissance of the Groundwater Resources of Kings and Queens Counties, New York.* U.S. Department of the Interior, U.S. Geological Survey. Open-File Report 81-1186. 1981.

Brezner, K.B., 2007. Letter to: Mrs. Rossana Bartone, Pebble Lane Associates, Inc. Regarding: Violations – October 25, 2006 Inspection. January 3, 2007.

Brooklyn Federal Savings Bank, 2009. Agreement with Pebble Lane Associates, LLC. May 4, 2009.

Brookville Enterprises, 2004. Registration Form for a Solid Waste Management Facility. June 16, 2004.

DSNY (Department of Sanitation New York City), 2002. Negative Declaration, Notice of Determination of Non-Significance. Pebble Lane Associates, Inc. Fill Material Transfer Station. December 16, 2002.

EDR (Environmental Data Resources, Inc.), 2010. EDR DataMap™ Environmental Atlas™ for "Newton Creek Queens, New York." November 4, 2010.

Galasso, P., 1985a. Indenture to Island Transportation Corporation. September 7, 1985.

Galasso, P., 1985b. Indenture to Alfredo Lamanno Trucking Inc. April 23, 1985.

Galli (Galli Engineering, P.C.), 2001. *Engineering Report and Industrial Application for State Pollutant Discharge Elimination Systen Permit*. Pebble Lane Associates, LLC. November 7, 2001.

Galli, 2002. Bulkhead Permit Application. Pebble Land Associates, LLC. March 20, 2002.

Island Transportation Corporation, 1998. Indenture to 57-00 Maspeth Avenue, LLC. April 30, 1998.

MANY (The Merchants' Association of New York), 1921. The Newtown Creek Industrial District of New York City. The Merchants' Association of New York Industrial Bureau. New York. 1921.

Misut and Monti (Misut, P.E. and Monti, J. Jr.), 1999. *Simulation of Ground-Water Flow and Pumpage in Kings and Queens Counties, Long Island, New York.* U.S. Geological Survey. Water-Resources Investigations Report 98-4071. 1999.

NYCDCP (New York City Department of City Planning), 2011. Zoning. Accessed December 22, 2011.
Available from: http://www.nyc.gov/html/dcp/html/subcats/zoning.shtml

NYCDEP, 2007. *Landside Modeling Report, Sewershed Characteristics and Model Calibration.* City-Wide Long Term CSO Control Planning Project. Newtown Creek WPCP Service Area. Draft. New York City Department of Environmental Protection, Bureau of Engineering Design and Construction. July 2007.

NYSDEC (New York State Department of Environmental Conservation), 2006. *Inspection Report*. Pebble Lane Assoc., Inc. October 25, 2006.

NYSDEC, 2007. Notice of Violation. 57-00 Maspeth Avenue, LLC. February 6, 2007.

NYSDEC, 2011. Environmental Remediation Databases. Accessed December 22, 2011.
Available from:
http://www.dec.ny.gov/cfmx/extapps/derexternal/haz/results.cfm?pageid=3

Pebble Lane Associates, 1998. Registration Form for a Solid Waste Management Facility. October 29, 1998.

Sanborn (Sanborn Map Company), 1914. *Insurance Maps of the Borough of Queens, City of New York.* Volume 3: Sheet 6. 1914.

Sanborn, 1936. *Insurance Maps of the Borough of Queens, City of New York.* Volume 3: Sheet 29. Originial 1914, revised 1936.

Sanborn, 1986. *Insurance Maps of the Borough of Queens, City of New York.* Volume 3: Sheet 29. 1986.

Sanborn, 1990. *Insurance Maps of the Borough of Queens, City of New York.* Volume 3: Sheet 110. 1990.

Soren and Simmons (Soren, J. and Simmons, D.L.), 1987. *Thickness and Hydrogeology of Aquifers and Confining Units Below the Upper Glacial Aquifer on Long Island, New York*. U.S. Geological Survey. Water-Resources Investigations Report 86-4175. Scale 1:125,000. 1987.

Stuart, A.D., 2001. Letter to: Mr. Jeffrey Rabkin, New York State Department of Environmental Conservation, Division of Environmental Permits. Regarding: NYSDEC Permit Modification. October 26, 2001.

Sullivan, P. R., 1998. Letter to: Olufemi Falade, New York State Department of Environmental Conservation. Regarding: Fill Material Transfer Station Registration Form No. 41W64, Alfredo LaManna Trucking, 5700 47th Street, Maspeth, New York. July 21, 1998.

USEPA (U.S. Environmental Protection Agency), 2011. USEPA Envirofacts Database. Accessed December 22, 2011.
Available from: http://www.epa.gov/enviro/index.html

War Department, 1930. Letter to: Dempsey, W., Chairman Committee of River and Harbors. Regarding: Report of the Board of Engineers for Rivers and Harbors Review of Report Heretofore Submitted on Newtown Creek, New York. Submitted in House Document No. 42, 71st Congress, second session. May 23, 1930. \Zacharias, 2007. Site Visit Report – January 31, 2007 Site Visit. Pebble Lane Associates. February 8, 2007.

12 ATTACHMENTS

Figures

Figure 1 Site Vicinity Map: Pebble Lane Associates

Tables

Table 1 Potential Areas of Concern and Transport Pathways Assessment - Pebble Lane Associates

Supplemental Attachments

Attachment 1 2001 Facility Site Plan

Attachment 2 Stormwater System Details

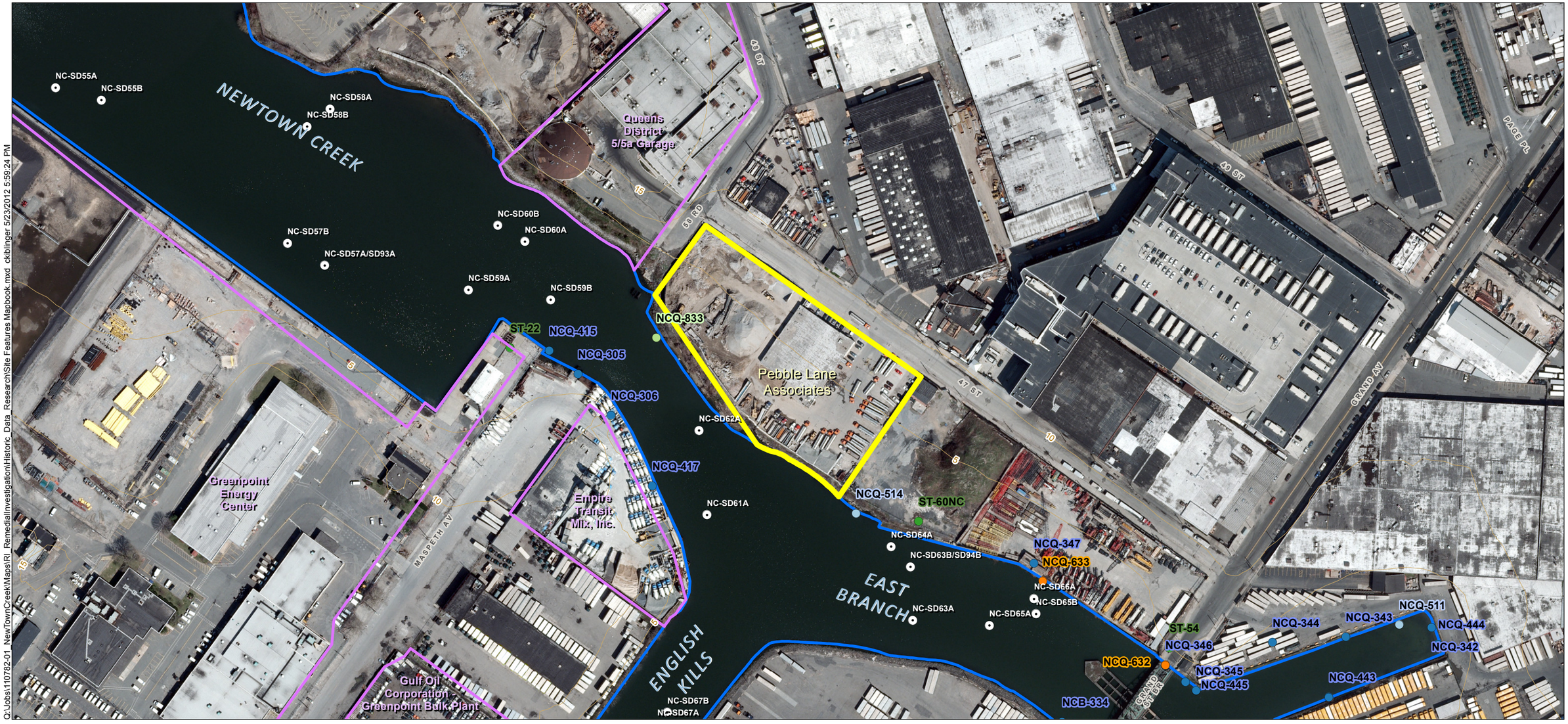
Table 1

Potential Areas of Concern and Transport Pathways Assessment – Pebble Lane Associates

Potential Areas of Concern	Media Impacted					COPCs														Potential Complete Pathway						
						TPH			VOCs																		
Description of Areas of Concern	Surface Soil	Subsurface Soil	Groundwater	Catch Basin Solids	Creek Sediment	Gasoline-Range	Diesel – Range	Heavier – Range	Petroleum Related (e.g., BTEX)	VOCs	Chlorinated VOCs	SVOCs	PAHs	Phthalates	Phenolics	Metals	PCBs	Herbicides and Pesticides	Dioxins/Furans	Overland Transport	Groundwater	Direct Discharge – Overwater	Direct Discharge – Storm/Wastewater	Discharge to Sewer/CSO	Bank Erosion	Air Releases
USTs/ASTs	?	?	?	?	?	√	√	?	√	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Spills	?	?	?	?	?	√	√	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Oil depot (circa 1912 – circa 1930)	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Recovery and recycling of clean fill (1985 – 1998)	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Waste Transfer Station (1998 – present)	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Debris piles at solid waste transfer facility	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	√	?	?	√	?	?	?
Maintenance and parking of petroleum hauling trucks (1985 – present)	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?

Notes:
√ – COPCs are/were present in areas of concern having a current or historical pathway that is determined to be complete or potentially complete.
? – There is not enough information to determine if COPC is/was present in area of concern or if pathway is complete.
-- – Current or historical pathway has been investigated and shown to be not present or incomplete.

AST – aboveground storage tank
BTEX – benzene, toluene, ethylbenzene, and xylenes
COPC – constituents of potential concern
CSO – combined sewer overflow
PAH – polycyclic aromatic hydrocarbons
PCB – polychlorinated biphenyl
TPH – total petroleum hydrocarbons
SVOC – semi-volatile organic compounds
UST – underground storage tank
VOC – volatile organic compounds



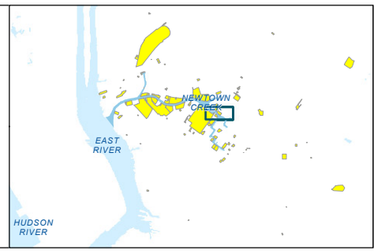
Q:\Jobs\110782-01_NewTownCreekMaps\RI_RemedialInvestigation\Historic_Data_Research\Site Features.Mapbook.mxd ckiblinger 5/23/2012 5:59:24 PM

- USEPA Sample Locations (Surface and Subsurface)
- Shoreline (NYC Dept. of Information Technology, 2006)
- USGS Nat'l Elev. Dataset 5-foot Contours
- Selected Site Property Boundary
- Neighboring Site Property Boundary

Outfall Class
- Direct Discharge
- General
- Highway Drain
- Major Stormwater Outfall
- SPDES
- Storm Drain

NOTES:
1. Outfall Labeling: BB: Bowery Bay; NC(B/Q): Newtown Creek, Brooklyn/Queens; ST: Stormwater.
2. Outfall locations are preliminary, compiled, estimated data based on New York City Department of Environmental Protection (NYCDEP) maps and tabulated data and other resources. Many outfall locations were taken from the New York City Shoreline Survey Program: Newtown Creek Water Pollution Control Plant Drainage Area, NYCDEP, March 31, 2003. Other locations were taken from an excerpt from a similar report from 2008 (the complete report was not included in files available for review). Finally, some outfall locations were inherited from previous Anchor QEA and Newtown Creek Project work. Latitudinal and longitudinal data provided in the 2003 and 2008 NYCDEP reports were rounded to the nearest second. This resulted in potential outfall location discrepancies of up to approximately 200 feet. All outfall locations are currently under field verification.
3. Aerial Photos: New York State Division of Homeland Security and Emergency Services, 2010.
4. Site Boundaries are based on New York City parcels data.
5. Coarse topographic contours are derived from U.S. Geological Survey 10-meter data.

Feet
0 100 200 300 400



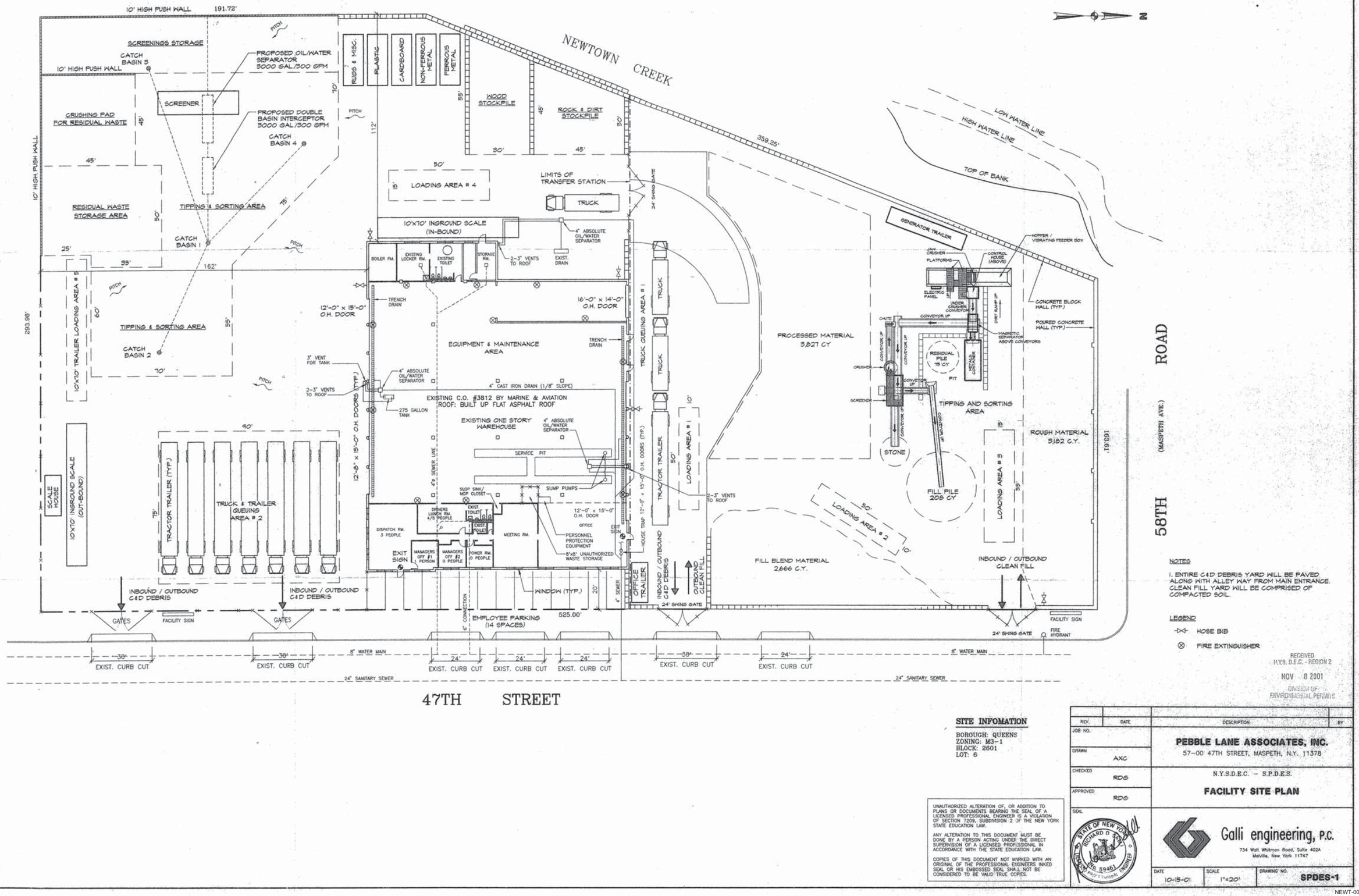
ANCHOR QEA

DRAFT

Figure 1
Site Vicinity Map
Draft Upland Site Summary: Pebble Lane Associates
Newtown Creek RI/FS

SUPPLEMENTAL ATTACHMENTS

Attachment 1



47TH STREET

NOTES

1. ENTIRE C&D DEBRIS YARD WILL BE PAVED ALONG WITH ALLEY WAY FROM MAIN ENTRANCE. CLEAN FILL YARD WILL BE COMPRISED OF COMPACTED SOIL.

LEGEND

-⊠- HOSE BIB

⊗ FIRE EXTINGUISHER

RECEIVED
N.Y.S. D.E.C. - REGION 2
NOV 8 2001
DIVISION OF ENVIRONMENTAL PERMITS

SITE INFOMATION

BOROUGH: QUEENS
ZONING: M3-1
BLOCK: 2601
LOT: 6

REV.	DATE	DESCRIPTION	BY

JOB NO.

DRAWN: AXC

CHECKED: RDS

APPROVED: RDS

SEAL: STATE OF NEW YORK · RICHARD D. GALLI · NO. 59461 · PROFESSIONAL ENGINEER

PEBBLE LANE ASSOCIATES, INC.
57-00 47TH STREET, MASPETH, N.Y. 11378

N.Y.S.D.E.C. – S.P.D.E.S.

FACILITY SITE PLAN

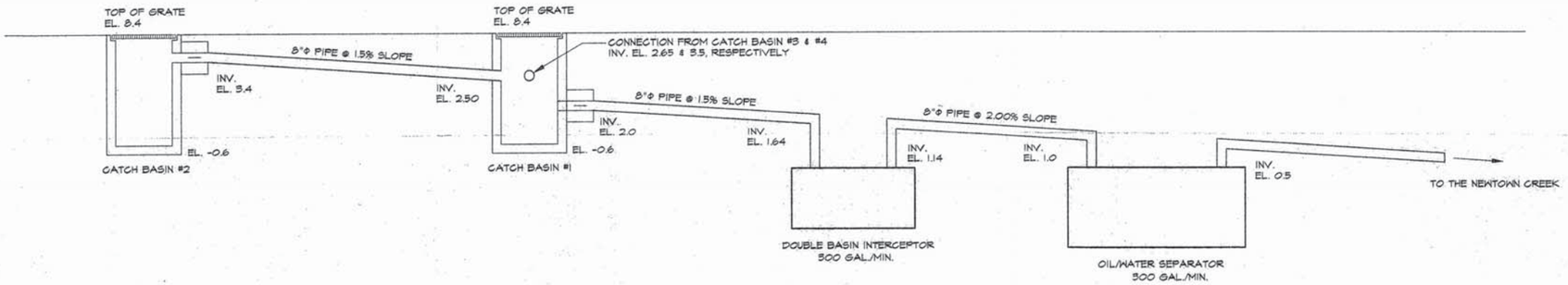
Galli engineering, P.C.
734 Walt Whitman Road, Suite 402A
Melville, New York 11747

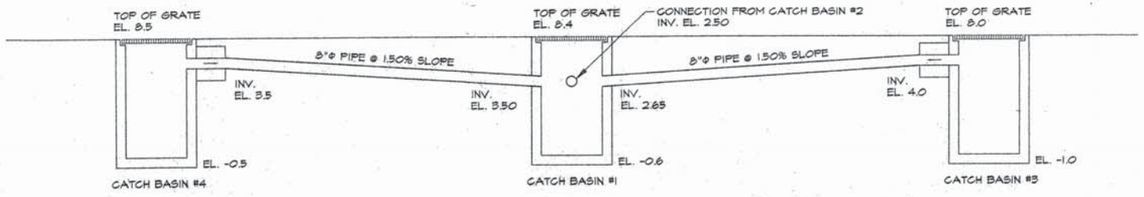
DATE: 10-15-01 | SCALE: 1"=20' | DRAWING NO.: SPDES-1

NEWT-0003949

D:\ACAD\GALLI 'B'\Pebble Lane Associates\S.P.D.E.S\Facility_Site_Plan.dwg Mon Oct 22 17:34:31 2001

Attachment 1





RECEIVED
N.Y.S. D.E.C. - REGION 2
NOV 8 2001
DIVISION OF
ENVIRONMENTAL PERMITS

REV.	DATE	DESCRIPTION	BY

JOB NO.

PEBBLE LANE ASSOCIATES, INC.
57-00 47TH STREET, MASPETH, N.Y. 11378

DRAWN: AXC
CHECKED: RDG
APPROVED: RDG

N.Y.S.D.E.C. – S.P.D.E.S.

PROFILE

SEAL: STATE OF NEW YORK · RICHARD D GALLI · 049451 · LICENSED PROFESSIONAL ENGINEER

Galli engineering, P.C.
734 Walt Whitman Road, Suite 402A
Melville, New York 11747

DATE: 10-15-01 | SCALE: NONE | DRAWING NO.: **SPDES-2**

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Attachment 2

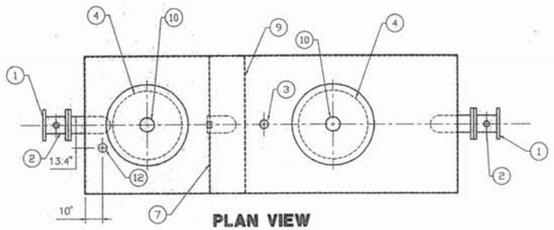
GENERAL SPECIFICATIONS

NO. REQ'D: (1)
CAPACITY: 3,000 GALLONS
TYPE: UNDERGROUND, DOUBLEWALL, ACT-100-U DOUBLE-BASIN INTERCEPTOR TANK,
MATERIAL: MILD CARBON STEEL
FLOW RATE: 100 GPM
GAUGE:
SHELL- 7GA
HEADS- 7GA
SURFACE PREP:
SSPC NO.6 BLAST ALL EXTERIOR SURFACES

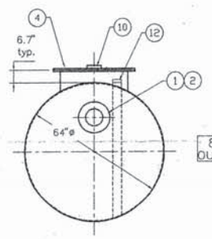
COATING:	MATERIAL	THICKNESS
EXTERIOR-	POLYURETHANE	(70 MILS)
INTERIOR-	NONE	

NOTE:
POLYURETHANE ACT-100-U TANKS ARE NOT APPROVED FOR THE STORAGE OF HEATED PRODUCTS

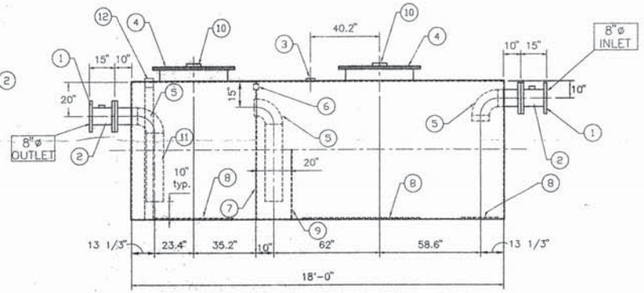
NOTE:
BOLT ON EXTENSIONS NOT PROVIDED WITH STD. UNIT. CUSTOMER TO ADVISE IF EXT. ARE NEEDED & WHAT THEIR LENGTHS SHOULD BE



PLAN VIEW



END VIEW



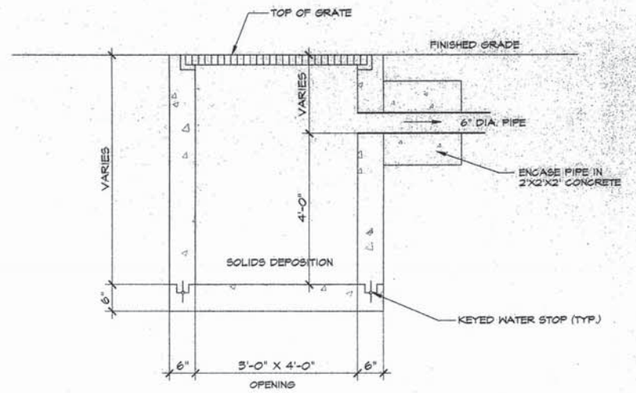
ELEVATION

INTERCEPTOR DETAIL

HIGHLAND TANK & MFG. CO. MODEL HT-DB-3000
NOT TO SCALE

PROVIDED EQUIPMENT

1. 150# R.F.S.O. FLANGE
2. ISOLATED SPOOL PIECE W/ 2" NPT FOR VENT
3. 3" FTG. W/ 3" x 2" NYLON BUSHING (FITTING FOR VENT)
4. 24" ø MANHOLE
5. 6" ø ELBOW
6. 2" ø NPT
7. 48" ø x 7GA. BULKHEAD
8. 1/4" STRIKER PLATES
9. SLUDGE BAFFLE
10. 5" FTG. W/ 5" x 4" NYLON BUSHING (FITTING FOR GAUGE)
11. OUTLET DOWNCOMER
12. 3" FTG. W/ 3" x 2" NYLON BUSHING (FITTING FOR LEAK DETECTION)



* NOTE: SEE PROFILE FOR INVERT ELEVATIONS.

TYPICAL CATCH BASIN DETAIL

N.T.S.

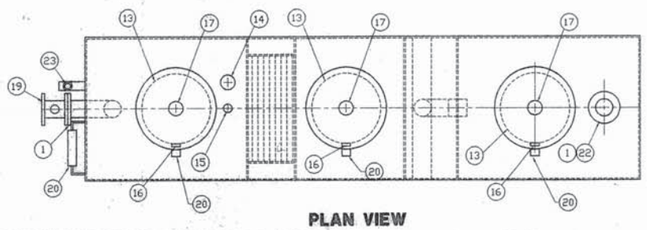
GENERAL SPECIFICATIONS

NO. REQ'D: (1)
CAPACITY: 3,000 GALLONS
TYPE: HT, UNDERGROUND S.T.I.P.3. "G" SERIES DOUBLE WALL TYPE I 360°
MATERIAL: MILD CARBON STEEL
FLOW RATE: 100 GPM

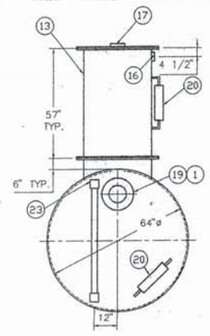
GAUGE:	INNER:	OUTER:
SHELL-	7 GA	10 GA
HEADS-	7 GA	10 GA

SURFACE PREP:
SP-6 BLAST ALL EXTERIOR SURFACES

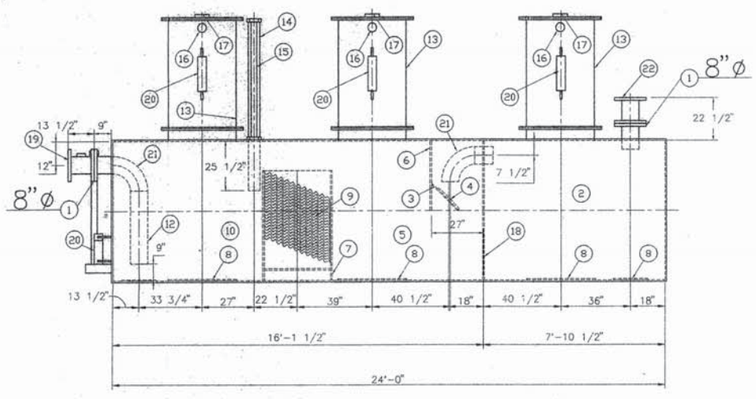
COATING:	MATERIAL	THICKNESS
EXTERIOR-	CORROCOTE PLUS	(15 MILS)
INTERIOR-	NONE	



PLAN VIEW



END VIEW



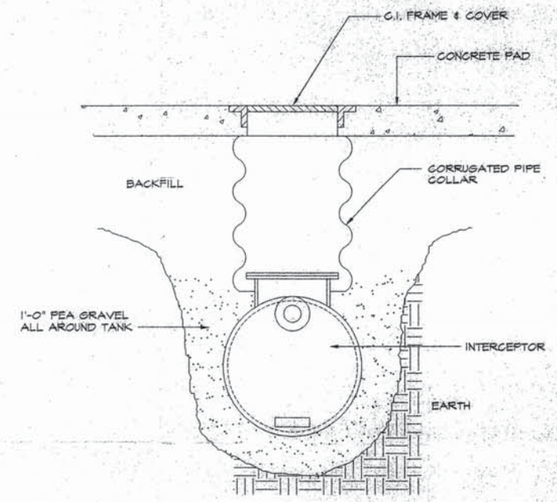
ELEVATION

OIL/WATER SEPARATOR

HIGHLAND TANK & MFG. CO. MODEL HT-G-3000
NOT TO SCALE

PROVIDED EQUIPMENT

1. 150# R.F.S.O. FLANGE
2. SLUDGE COMPARTMENT
3. VELOCITY HEAD DIFFUSION BAFFLE
4. WEAR PLATE
5. SEDIMENT CHAMBER
6. UNDERFLOW BAFFLE
7. SLUDGE BAFFLE
8. STRIKER PLATES
9. PARALLEL CORRUGATED PLATE COALESCER
10. OIL/WATER SEPARATOR CHAMBER
11. –
12. OUTLET DOWNCOMER
13. 24"ø MANWAY WITH 38" ø BOLT-ON EXTENSION (SHIP LOOSE)
14. 5"ø FTG. W/ 5" x 4" NYLON BUSHING FOR OIL PUMPOUT W/ INTERNAL PIPE INSTALLED & RISER PIPE (SHIP LOOSE)
15. 3"ø FTG W/ 3" x 2" NYLON BUSHING FOR LEVEL SENSOR W/ RISER PIPE (SHIP LOOSE)
16. 3"ø FTG W/ 3" x 2' NYLON BUSHING FOR VENT
17. 5'ø FTG W/ 5" x 4" NYLON BUSHING FOR GAUGE WITH PLUG
18. 7 GA. SINGLE BULKHEAD
19. ISOLATION SPOOL W/ ISULATION KIT & 2" NPT FOR VENT
20. SACRAFICIAL ZINC ANODE
21. 6" ø WELDED ELBOW
22. ISOLATION SPOOL W/ ISULATION KIT
23. 3" ø FTG. W/ 3" X 2" NYLON BUSHING (FITTING FOR LEAK DETECTION)



INSTALLATION DETAIL

N.T.S.

RECEIVED
N.Y.S. D.E.C. - REGION 2
NOV 8 2001
DIVISION OF ENVIRONMENTAL PERMITS

REV.	DATE	DESCRIPTION	BY

JOB NO.
DRAWN: AXC
CHECKED: RDG
APPROVED: RDG
SEAL: STATE OF NEW YORK · RICHARD D' GALLI · No. 59461 · LICENSED PROFESSIONAL ENGINEER

PEBBLE LANE ASSOCIATES, INC.
57-00 47TH STREET, MASPETH, N.Y. 11378

N.Y.S.D.E.C. - S.P.D.E.S.
SOLIDS/OIL INTERCEPTOR, OIL/WATER SEPARATOR AND CATCH BASIN DETAILS

Galli engineering, P.C.
734 Walt Whitman Road, Suite 402A
Melville, New York 11747

DATE	SCALE	DRAWING NO.
10-15-01	AS SHOWN	SPDES-3

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